

**SECRET**

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RD-103  
T.O. 8

RD 0-1169/23

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10 May 1960

TO:

SUBJECT:

(Informal Progress Report, RD-103, APR 1960) (11)

This letter constitutes the Forty-ninth Monthly Report, submitted in compliance with Contract RD-103, covering the month of April, 1960.

TASK 5.DEVELOPMENT OF AS-5 SYSTEM

During this reporting period, a series of tests were conducted between two AS-5 Systems. One terminal was stationed at [ ] and the other terminal was located at a Government installation near Washington, D. C. Early in the program it became evident that there was insufficient signal strength at the East Coast site for reliable operation. In order to overcome this difficulty, [ ] was then moved to the [ ] Site, where advantage was taken of a rhombic antenna. This antenna improvement increased the signal level by approximately 10 db and enabled the test to be completed. Anticipated results indicated that the system operates reliably in all three modes.

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TASK 8.AS-6 DATA TELEMETERING SYSTEM

The final report draft is complete and ready for publication. No additional action is being taken until one of the local graphic arts vendors is given the customer clearance.

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DOC <u>105</u>	REV DATE <u>1 APR 1960</u>	BY <u>064540</u>
ORIG COMP <u>056</u>	OPI <u>56</u>	TYPE <u>30</u>
ORIG CLASS <u>S</u>	PAGES <u>1</u>	REV CLASS <u>S</u>
JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: NR 10-2